

MFS-31565-1 (NASA Case No.)

## Declaration, Power of Attorney and Petition - Original Application

As a below named inventor, I hereby declare that: My residence, mailing address and citizenship, are stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Phase Modulator with Terahertz Optical E	Bandwidth Formed	by Multi-Layer	ed Dielectric Sta	ack			
the specification of which is attached he	ereto, was filed	I on (Date)		,			
as Application Serial No.	as Application Serial No and was amended (Date)						
I have reviewed and understand the contents o referred to above.	of the above identified	specification, inc	luding the claims,	as amended by any amendment			
I acknowledge the doty to disclose to the Pater defined in 37 CFR §1.56	nt and Trademark Off	fice all information	which is known to	o me to be material to patentability			
I hereby claim the benefit under 35 U.S.C. §12: the claims of this application is not disclosed in §112, I acknowledge the duty to disclose to the defined in 37 CFR §1.56 which became available date of this application:	the prior United State Patent and Tradema	tes application in ark Office all infor	the manner provid mation known to n	ed by the first paragraph of 35 U.S. ne to be material to patentability as			
,, tr	ne status of which is	patented,	pending,	abandoned.			
(Serial No.) (Filing Date)							
I hereby claim priority benefits under Title 35, U	nited States Code §1	19(e) of any Unite	d States Provision	al Applications listed below:			
	the status of which is	pending.		,			
(Provisional Serial No.) (Filing Date)							
POWER OF ATTORNEY: I hereby appoint the and Trademark Office connected therewith:	following attorney(s)	to prosecute this	application and to	transact all business in the Patent			
Registered practitioner(s) at Custome	r Number	, c	OR .				
Registered practitioner(s) listed below	v:						
James J. McGroary	38,960	Jerry L. Seer	nann	33,454			
(Name)	(Reg. No.)		(Name)	(Reg. No.)			
Gary G. Borda	35,455	John G. Man	nix	27,254			
(Name)	(Reg. No.)		(Name)	(Reg. No.)			
Alan J. Kennedy	28,625						
(Name)	(Reg. No.)		(Name)	(Reg. No.)			
ADDRESS ALL CORRESPONDENCE TO:		DIRECT TELE	PHONE CALLS TO	D:			
Customer Number, OR		Telephone (Complete number to be dialed from USPTO):					
Correspondence Address listed below:		(256) 544-0013					
Name: James J. McGroary				<del></del>			
Address: NASA/Marshall Space Flight Co	enter	•					
LS01/Office of Chief Counsel	<u> </u>						
Marshall Space Flight Center, A	L 35812			•			

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	CERTIFIC	ATE OF MAILI	NG		•
I hereby certify that is Express Mail in an 20231 on the date of Date:	n envelope addressed to: Com signature below.	ing deposited with missioner of Pate	the United States ints and Trademarks,	Possor Service Washington, D.C.	MFS-31565-1 (NASA Case No.)
Further, as a National Aero	1 EK828574598US named inventor, I certify that the conautics and Space Administrate ation and has the irrevocable riginal control of the cont	tion has X an ass	signment in, or	license to the invention	the Administrator of the

Wherefore, I pray that Letters Patent be granted to me for this invention or discovery described and claimed in the foregoing specification a claims, and I hereby subscribe my name to the foregoing specification, claims, power of attorney and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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## RECORDATION COVER SHEET FOR PATENTS

Commissioner of Patents and Trademarks Washington, D.C. 20231

Attention: Assignment Division

Please record the attached original documents or copy thereof.

Conveying Party(ies): (1)

Andrew S. Keys

(2) Receiving Party(ies): National Aeronautics and Space Administration

Washington, D.C. 20546

Nature of Conveyance: (3)

Assignment

Execution Date: June 5, 2001

Application Number: (4)

NASA Case No.: MFS-31565-1

Application Title:

Phase Modulator with Terahertz Optical Bandwidth Formed by

Multi-Layered Dielectric Stack

This document is being filed together with a new patent application for letters patent. The execution date of the application is: June 5, 2001

Name and address of party to whom correspondence concerning document should be (5) mailed:

> National Aeronautics and Space Administration Attn: LS01/James J. McGroary Marshall Space Flight Center, AL 35812

- Total number of applications involved: 1(One) (6)
  - (7) Total fee (37 CFR 3.41): \$40.00. Authorized to be charged to deposit account.
- (8) Deposit account number: 14-0116
- To the best of my knowledge and belief, the foregoing information is true and correct and any (9) attached copy is a true copy of the original document. This cover sheet consists of one page.

Respectfully,

James J. McGroary Registration No. 38,960

Enclosure(s):

NASA FORM 430

ADDITIONAL COPY OF THIS FORM

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, O.C. 20231 on the date of signature below 20231 on the date of signature below. dwa

6-6-01 Signature: